Most Frequently Occurring Classifications of Patents Returned
From A Search of 09483182 on December 18, 2002

Original Classifications
```
5  235/379
5  379/114.14
3  235/383
2  379/115.01
2  705/20
2  705/39
2  705/44
2  705/71
```

Cross-Reference Classifications
```
8  235/379
5  235/380
5  379/267
5  379/91.01
4  379/114.15
4  379/114.17
4  379/114.19
3  235/375
3  235/385
3  705/53
3  707/104.1
3  902/5
2  235/382
2  235/383
2  235/432
2  235/492
2  370/535
2  377/13
2  379/114.01
2  379/114.14
2  379/260
2  705/73
2  902/22
```

Combined Classifications
```
13  235/379
 7  379/114.14
 6  235/380
 5  235/383
 5  379/267
 5  379/91.01
 4  235/385
 4  379/114.15
```

```
4   379/114.17
4   379/114.19
4   707/104.1
3   235/375
3   705/44
3   705/53
3   705/73
3   902/5
2   177/25.15
2   235/382
2   235/432
2   235/487
2   235/492
2   355/40
2   370/249
2   370/535
2   377/13
2   379/114.01
2   379/115.01
2   379/260
2   705/10
2   705/14
2   705/20
2   705/37
2   705/39
2   705/41
2   705/57
2   705/71
2   705/72
2   705/80
2   707/102
2   714/716
2   902/22
```

Titles of Most Frequently Occurring Classifications of Patents Returne
d
From A Search of 09483182 on December 18, 2002


```
13  235/379        (5 OR, 8 XR)
        Class  235 :  REGISTERS
        235/375         SYSTEMS CONTROLLED BY DATA BEARING RECORDS
        235/379         .Banking systems

 7  379/114.14     (5 OR, 2 XR)
        Class  379 :  TELEPHONIC COMMUNICATIONS
        379/111         WITH USAGE MEASUREMENT (E.G., CALL OR TRAFFIC
                            REGISTER)
        379/114.01      .Call charge metering or monitoring
        379/114.14      ..Fraud detection or control

 6  235/380        (1 OR, 5 XR)
        Class  235 :  REGISTERS
        235/375         SYSTEMS CONTROLLED BY DATA BEARING RECORDS
        235/380         .Credit or identification card systems

 5  235/383        (3 OR, 2 XR)
        Class  235 :  REGISTERS
        235/375         SYSTEMS CONTROLLED BY DATA BEARING RECORDS
        235/383         .Mechanized store

 5  379/267        (0 OR, 5 XR)
        Class  379 :  TELEPHONIC COMMUNICATIONS
        379/242         CENTRALIZED SWITCHING SYSTEM
        379/258         .Switching controlled in response to called
                            station addressing signal
        379/260         ..With operator position or completion of call
                            (e.g., dial "O", semiautomatic)
        379/267         ...Operator's console

 5  379/91.01      (0 OR, 5 XR)
        Class  379 :  TELEPHONIC COMMUNICATIONS
        379/90.01       TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE
                            ELECTRICAL SYSTEM OR SIGNALLING (E.G., COM
POSITE)
        379/91.01       .Credit authorization

 4  235/385        (1 OR, 3 XR)
        Class  235 :  REGISTERS
        235/375         SYSTEMS CONTROLLED BY DATA BEARING RECORDS
        235/385         .Inventory
```

```
4  379/114.15   (0 OR, 4 XR)
        Class  379 :  TELEPHONIC COMMUNICATIONS
        379/111         WITH USAGE MEASUREMENT (E.G., CALL OR TRAFFIC
                            REGISTER)
        379/114.01      .Call charge metering or monitoring
        379/114.15      ..Calling card

4  379/114.17   (0 OR, 4 XR)
        Class  379 :  TELEPHONIC COMMUNICATIONS
        379/111         WITH USAGE MEASUREMENT (E.G., CALL OR TRAFFIC
                            REGISTER)
        379/114.01      .Call charge metering or monitoring
        379/114.15      ..Calling card
        379/114.17      ...Monitoring account or card usage balance

4  379/114.19   (0 OR, 4 XR)
        Class  379 :  TELEPHONIC COMMUNICATIONS
        379/111         WITH USAGE MEASUREMENT (E.G., CALL OR TRAFFIC
                            REGISTER)
        379/114.01      .Call charge metering or monitoring
        379/114.15      ..Calling card
        379/114.19      ...Credit card

4  707/104.1    (1 OR, 3 XR)
        Class  707 :  DATA PROCESSING:  DATABASE AND FILE
                        MANAGEMENT, DATA STRUCTURES, OR DOCUMENT    P
ROCESSING
        707/100         DATABASE SCHEMA OR DATA STRUCTURE
        707/104.1       .Application of database or data structure
                            (e.g., distributed, multimedia, image)

3  235/375      (0 OR, 3 XR)
        Class  235 :  REGISTERS
        235/375         SYSTEMS CONTROLLED BY DATA BEARING RECORDS

3  705/44       (2 OR, 1 XR)
        Class  705 :  DATA PROCESSING: FINANCIAL, BUSINESS
                        PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION
        705/1           AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
                            PRACTICE OR MANAGEMENT ARRANGEMENT
        705/35          .Finance (e.g., banking, investment or credit)

        705/39          ..Including funds transfer or credit
                            transaction
        705/44          ...Requiring authorization or authentication

3  705/53       (0 OR, 3 XR)
```

```
          Class    705 :  DATA PROCESSING: FINANCIAL, BUSINESS
                          PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION
          705/50          BUSINESS PROCESSING USING CRYPTOGRAPHY
          705/51          .Usage protection of distributed data files
          705/52          ..Usage or charge determination
          705/53          ...Including third party for collecting or
                             distributing payment (e.g., clearinghouse)

  3  705/73         (1 OR, 2 XR)
          Class    705 :  DATA PROCESSING: FINANCIAL, BUSINESS
                          PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION
          705/50          BUSINESS PROCESSING USING CRYPTOGRAPHY
          705/64          .Secure transaction (e.g., EFT/POS)
          705/73          ..Terminal detail (e.g., initializing)

  3  902/5          (0 OR, 3 XR)
          Class    902 :  ELECTRONIC FUNDS TRANSFER
          902/1           WITH ELECTRONIC MEANS PROVIDING SECURITY
          902/4           .Means to read data stored on identifier*
          902/5           ..And to verify identity of user*

  2  177/25.15      (1 OR, 1 XR)
          Class    177 :  WEIGHING SCALES
          177/25.11       COMPUTER
          177/25.12       .Electrical
          177/25.13       ..Digital
          177/25.14       ...Multiplying or dividing scales
          177/25.15       ....Price

  2  235/382        (0 OR, 2 XR)
          Class    235 :  REGISTERS
          235/375         SYSTEMS CONTROLLED BY DATA BEARING RECORDS
          235/380         .Credit or identification card systems
          235/382         ..Permitting access

  2  235/432        (0 OR, 2 XR)
          Class    235 :  REGISTERS
          235/419         RECORD CONTROLLED CALCULATORS
          235/432         .With printing

  2  235/487        (1 OR, 1 XR)
          Class    235 :  REGISTERS
          235/487         RECORDS

  2  235/492        (0 OR, 2 XR)
          Class    235 :  REGISTERS
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```
          235/487        RECORDS
          235/492        .Conductive

  2  355/40         (1 OR, 1 XR)
          Class   355 :  PHOTOCOPYING
          355/18         PROJECTION PRINTING AND COPYING CAMERAS
          355/40         .Identifying, composing, or selecting

  2  370/249        (1 OR, 1 XR)
          Class   370 :  MULTIPLEX COMMUNICATIONS
          370/241        DIAGNOSTIC TESTING (OTHER THAN SYNCHRONIZATION
)

          370/249        .Loopback

  2  370/535        (0 OR, 2 XR)
          Class   370 :  MULTIPLEX COMMUNICATIONS
          370/473        ..Transmission of a single message having
                            multiple packets
          370/498        .Combining or distributing information via tim
e

                         channels
          370/535        ..Multiplexing combined with demultiplexing

  2  377/13         (0 OR, 2 XR)
          Class   377 :  ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR
                            SHIFT REGISTERS:  CIRCUITS AND SYSTEMS
          377/1          APPLICATIONS
          377/13         .Registering counts for different categories
                            (e.g., accounting)

  2  379/114.01     (0 OR, 2 XR)
          Class   379 :  TELEPHONIC COMMUNICATIONS
          379/111        WITH USAGE MEASUREMENT (E.G., CALL OR TRAFFIC
                            REGISTER)
          379/114.01     .Call charge metering or monitoring

  2  379/115.01     (2 OR, 0 XR)
          Class   379 :  TELEPHONIC COMMUNICATIONS
          379/111        WITH USAGE MEASUREMENT (E.G., CALL OR TRAFFIC
                            REGISTER)
          379/114.01     .Call charge metering or monitoring
          379/115.01     ..Interexchange billing operation

  2  379/260        (0 OR, 2 XR)
          Class   379 :  TELEPHONIC COMMUNICATIONS
          379/242        CENTRALIZED SWITCHING SYSTEM
          379/258        .Switching controlled in response to called
```

station addressing signal
379/260   ..With operator position or completion of call
           (e.g., dial "O", semiautomatic)

2 705/10   (1 OR, 1 XR)
       Class   705 :   DATA PROCESSING: FINANCIAL, BUSINESS
                       PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION
       705/1   AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
                       PRACTICE OR MANAGEMENT ARRANGEMENT
       705/7   .Operations research
       705/10   ..Market analysis, demand forecasting or
                       surveying

2 705/14   (1 OR, 1 XR)
       Class   705 :   DATA PROCESSING: FINANCIAL, BUSINESS
                       PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION
       705/1   AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
                       PRACTICE OR MANAGEMENT ARRANGEMENT
       705/14   .Distribution or redemption of coupon, or
                       incentive or promotion program

2 705/20   (2 OR, 0 XR)
       Class   705 :   DATA PROCESSING: FINANCIAL, BUSINESS
                       PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION
       705/1   AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
                       PRACTICE OR MANAGEMENT ARRANGEMENT
       705/16   .Including point of sale terminal or electroni
c
                       cash register
       705/20   ..Price look-up processing (e.g., updating)

2 705/37   (1 OR, 1 XR)
       Class   705 :   DATA PROCESSING: FINANCIAL, BUSINESS
                       PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION
       705/1   AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
                       PRACTICE OR MANAGEMENT ARRANGEMENT
       705/35   .Finance (e.g., banking, investment or credit)

       705/37   ..Trading, matching, or bidding

2 705/39   (2 OR, 0 XR)
       Class   705 :   DATA PROCESSING: FINANCIAL, BUSINESS
                       PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION

```
        705/1          AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
                           PRACTICE OR MANAGEMENT ARRANGEMENT
        705/35         .Finance (e.g., banking, investment or credit)

        705/39         ..Including funds transfer or credit
                          transaction

  2  705/41       (1 OR, 1 XR)
        Class    705 :  DATA PROCESSING: FINANCIAL, BUSINESS
                           PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION
        705/1          AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
                           PRACTICE OR MANAGEMENT ARRANGEMENT
        705/35         .Finance (e.g., banking, investment or credit)

        705/39         ..Including funds transfer or credit
                          transaction
        705/41         ...Having programming of a portable memory
                          device (e.g., IC card, "electronic purse")

  2  705/57       (1 OR, 1 XR)
        Class    705 :  DATA PROCESSING: FINANCIAL, BUSINESS
                           PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION
        705/50         BUSINESS PROCESSING USING CRYPTOGRAPHY
        705/51         .Usage protection of distributed data files
        705/57         ..Copy protection or prevention

  2  705/71       (2 OR, 0 XR)
        Class    705 :  DATA PROCESSING: FINANCIAL, BUSINESS
                           PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION
        705/50         BUSINESS PROCESSING USING CRYPTOGRAPHY
        705/64         .Secure transaction (e.g., EFT/POS)
        705/71         ..Including key management

  2  705/72       (1 OR, 1 XR)
        Class    705 :  DATA PROCESSING: FINANCIAL, BUSINESS
                           PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION
        705/50         BUSINESS PROCESSING USING CRYPTOGRAPHY
        705/64         .Secure transaction (e.g., EFT/POS)
        705/72         ..Verifying PIN

  2  705/80       (1 OR, 1 XR)
        Class    705 :  DATA PROCESSING: FINANCIAL, BUSINESS
                           PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN
ATION
```

```
        705/80          ELECTRONIC NEGOTIATION

   2  707/102          (1 OR, 1 XR)
        Class    707 :  DATA PROCESSING:  DATABASE AND FILE
                          MANAGEMENT, DATA STRUCTURES, OR DOCUMENT   P
ROCESSING
        707/100          DATABASE SCHEMA OR DATA STRUCTURE
        707/102          .Generating database or data structure (e.g.,
                          via user interface)


   2  714/716          (1 OR, 1 XR)
        Class    714 :  ERROR DETECTION/CORRECTION AND FAULT
                          DETECTION/RECOVERY
        714/699          PULSE OR DATA ERROR HANDLING
        714/712          .Transmission facility testing
        714/715          ..Test pattern with comparison
        714/716          ...Loop-back

   2  902/22           (0 OR, 2 XR)
        Class    902 :  ELECTRONIC FUNDS TRANSFER
        902/22           TERMINAL* REGISTERS TRANSACTION* (E.G., POINT
                          OF SALE TERMINAL*)
```

PLUS Search Results for S/N 09483182, Searched December 18, 2002

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5359606
5459522
5757659
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4780599
5014329
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4521677
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4821267
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4937615

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6363488 99
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6411961 99
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4879649 82
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4885694 82
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4905186 82
4922435 82
4937615 82

ability 1
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accordance 3
according 10
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activity 4
advantages 2
affinity 2
aggregating 3
ago 1
all 4
also 7
amount 1
an 20
analyses 2
analysis 10
analytical 2
analyze 1
analyzing 5
and 47
another 2
any 2
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appendices 1
application 8
applications 8
approaches 2
are 7
area 1
arid 1
as 18
aspect 3
assimilated 1
at 10
ative 1
attached 2
attorney 5
automation 1
average 1
background 1
based 6
bases 1
basis 1
be 16
behavior 2
being 2
bell 1
benefits 2

brackets 1
briefcases 1
built 1
business 9
businesses 1
but 2
buy 1
by 8
can 27
centric 1
certain 1
chen 4
claims 1
classification 1
co 1
commonly 1
components 1
comprised 1
comprises 4
computer 4
computers 1
concurrently 1
configuration 2
conflicting 1
conjunction 2
contained 3
content 1
continues 1
continuing 1
conventional 1
could 1
create 2
creating 13
cross 1
cumu 1
curve 1
customer 26
customers 1
customize 1
customized 2
daily 1
data 65
database 14
databases 3
decision 2
definition 4
demographic 1
described 1

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developers 1
development 1
differ 1
different 4
dimension 4
disadvantage 1
disclosure 1
display 2
displaying 1
displays 1
docket 5
documents 1
drawings 1
dynamic 3
dynamics 2
each 2
easily 1
embodiment 9
embodiments 9
emphasize 1
enable 1
enables 1
enterprise 7
entirety 2
entitled 4
environment 8
especially 2
even 2
ever 1
every 1
example 1
exemplary 2
exist 2
expandability 1
explosion 1
exponential 1
fact 5
few 2
field 1
filed 2
filtering 1
financial 1
first 11
fit 1
flp 1
focus 1
following 2

for 39
foresee 1
formats 3
forms 2
fractal 1
frequency 1
from 12
functioning 1
functions 3
further 5
gains 1
generally 1
generic 1
geographic 1
geometry 1
governments 1
graphically 3
greater 1
group 1
groups 2
have 3
having 2
help 1
hereby 1
herein 1
heretofore 1
hierarchy 2
histogram 1
homes 1
human 2
identity 1
impact 1
implemented 1
importance 1
improved 1
in 38
include 1
includes 1
including 3
incorporated 2
increasing 1
indicator 1
individuals 1
information 13
inherent 1
input 4
integration 2
into 1

invention 19
is 11
it 1
its 1
january 1
just 1
known 1
least 10
li 4
life 1
like 5
limit 1
line 2
linear 1
list 1
lives 1
loci 2
lost 1
manage 1
managed 1
management 1
many 5
mapping 4
markedly 1
marts 3
may 2
mcdel 1
measures 4
memory 1
meta 4
method 2
migrated 1
migration 1
mining 1
model 18
modeling 2
models 8
monetary 1
more 4
moving 1
must 2
nature 1
needed 1
needs 1
net 1
networks 1
neural 1
no 6

now 1
number 4
numerous 1
of 43
offices 1
often 1
olap 3
on 6
one 16
operation 1
or 4
order 2
organization 2
organize 1
organized 2
other 4
others 1
our 5
over 2
owned 1
pa 1
pareto 1
particular 3
patent 6
pending 1
perceived 1
percentile 1
perform 3
performance 4
performed 4
place 1
plurality 4
popular 2
portion 1
portions 1
present 13
presently 1
priority 1
problems 1
processing 3
processor 1
profile 8
profiles 3
profiling 1
profitability 1
proliferation 1
propensity 2
provide 8

provided 1
provides 8
provisional 2
purposes 2
quantitative 1
quickly 1
range 1
ranking 1
rapid 1
rate 1
re 1
realized 1
receiving 5
recency 1
records 2
reference 3
references 1
regressions 1
related 1
relates 1
relationships 4
remaining 1
remains 1
report 6
reports 1
representations 2
represents 1
require 1
requirements 1
resolve 1
results 1
retention 1
reusable 1
reverse 2
rules 1
said 1
same 1
satchels 1
schema 2
schools 1
scoring 1
second 8
segmentation 1
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selection 3
sequence 1
seri 1
serial 3

series 1
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sing 1
solve 1
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sorted 1
sources 5
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specification 2
star 2
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statistical 1
stored 2
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such 13
summarized 1
summary 1
support 2
system 1
systems 2
table 9
tables 1
technique 2
techniques 11
technology 3
terminate 1
than 1
that 3
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them 1
then 1
thereupon 1
these 3
they 1
third 1
this 5
though 1
throughout 1
time 2
to 39
tools 4
traditional 2
transferring 1
translation 1
trees 1
turned 2
typically 3

understanding 1
upon 2
us 2
usability 1
use 2
used 4
useful 2
user 2
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variety 4
vi 1
viewing 1
visual 2
visualization 2
visualizing 9
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warehouses 3
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warehows 1
way 1
wen 4
what 1
which 2
while 1
with 9
years 1
yet 2